

ABSTRACT

A valve and a valve assembly are provided that exhibit both highly controlled metering of fluid, as well as a high volume of fluid flow when the valve is in the fully open position. The regulating portion of the valve is provided with channels having different cross-sectional shapes, or channels having different lengths to provide staged flow. The valve is further provided with a fluid boundary element that is movably operably connected to the valve for mounting the valve to the valve body.

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